

DOCKET NO. 61169.00039  
(O-2779)

APPLN. NO. 10/507,059

U.S. Department of Commerce

Date Filed: July 8, 2008APPLICANT: **Hoon Choi et al.**FILING DATE:  
**September 9, 2004**

GROUP: 1615

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
	A	4,394,370	07/19/1983	Jefferies			
	B	4,472,840	09/25/1984	Jefferies			
	C	6,311,690 B1	11/06/2001	Jefferies			
	D	6,302,913 B1	10/16/2001	Ripamonti et al.			
	E	4,775,646	10/4/1988	Hench et al.			
	F	6,334,988 B1	01/01/2002	Gallis et al.			
	G	6,328,990 B1	12/11/2001	Ducheyne et al.			
	H	4,171,544	10/23/1979	Hench et al.			
	I	5,074,916	12/24/1991	Hench et al.			
	J	6,261,679 B1	07/17/2001	Chen et al. (Cited in the International Search Report)			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, etc.)

	1	Gross, U. et al., "Surface Activities of Bioactive Glass, Aluminum Oxide, and Titanium in a Living Environment," <i>Annals NY Academy of Science</i> (ed. Ducheyne and Lemons), 523: 211-226 (1988).
	2	Hench, Larry L., "Bioactive Ceramics," <i>Annals NY Academy of Sciences</i> (ed. Ducheyne and Lemons), 523: 54-71 (1988).
	3	Hench, Larry L. et al., "The Sol-Gel Process," <i>Chem. Rev.</i> , 90: 33-72 (1990).
	4	Huo, Qisheng et al., "Mesostructure Design with Gemini Surfactants: Supercage Formation in a Three-Dimensional Hexagonal Array," <i>Science</i> , 268: 1324 (1995).
	5	Kresge, C.T. et al., "Ordered Mesoporous Molecular Sieves Synthesized by a Liquid-Crystal Template Mechanism," <i>Nature</i> , 359: 710-712 (1992).
	6	Kokubo, T. et al., "Solutions Able to Reproduce In Vivo Surface-Structure Changes in Bioactive Glass-Ceramic A-W <sup>3</sup> ," <i>J. of Biomedical Materials Research</i> , 24:721-734 (1990).

Examiner Signature:

Date Considered:

sheet 2 of 2							
Form PTO-1449  <b>U.S. Department of Commerce</b>  Date Filed: <u>July 2, 2008</u>				<b>DOCKET NO. 61169.00039 (O-2779)</b>		<b>APPLN. NO. 10/507,059</b>	
				<b>APPLICANT: Hoon-Choi et al.</b>			
				<b>FILING DATE: September 9, 2004</b>		<b>GROUP: 1615</b>	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract
<b>OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	7	<i>Li, P. et al.</i> , "The Bone-Bonding Polymer Polyactive 80/20 Induces Hydroxycarbonate Apatite Formation In Vitro," <i>J. of Biomedical Materials Research</i> , 34: 79-86 (1997).					
	8	<i>Ogino, Makato et al.</i> , "Compositional Dependence of the Formation of Calcium Phosphate Films on Bioglass," <i>J. of Biomedical Materials Research</i> , 14: 55-64 (1980).					
	9	<i>Qi, Limin et al.</i> , "Micrometer-Sized Mesoporous Silica Spheres Grown Under Static Conditions," <i>Chem. Mater.</i> , 10: 1623-1626 (1998).					
	10	<i>Qiu, Q. et al.</i> , "Formation and Differentiation of Three-Dimensional Rat Marrow Stromal Cell Culture on Microcarriers in a Rotating-Wall Vessel," <i>Tissue Engineering</i> , 4(1): 19-34(1998).					
	11	<i>Qiu, Qing-Qing et al.</i> , "Fabrication, Characterization and Evaluation of Bioceramic Hollow Microspheres Used As Microcarriers for 3-D Bone Tissue Formation in Rotating Bioreactors," <i>Biomaterials</i> , 20: 989-1001(1999).					
	12	<i>Radin, S.R. et al.</i> , "The Effect of Calcium Phosphate Ceramic Composition and Structure on In Vitro Behavior. II. Precipitation," <i>J. of Biomedical Materials Research</i> , 27: 35-45(1993).					
	13	<i>Schacht, S. et al.</i> , "Oil-Water Interface Templating of Mesoporous Macroscale Structures," <i>Science</i> , 273(5276): 768-771(1996).					
	14	<i>Yang, Hong et al.</i> , "Synthesis of Mesoporous Silica Spheres Under Quiescent Aqueous Acidic Conditions," <i>J. of Materials Chemistry</i> , 8(3): 743-750(1998).					
<b>Examiner Signature:</b>					<b>Date Considered:</b>		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).